

ELI™ 230 12-Lead Resting ECG

Specifications

Product Features

- **Value without Compromise** — The ELI™ 230 electrocardiograph provides complete functionality in a portable, compact device. Easy to use and feature rich, the ELI 230 offers a valuable solution with capabilities such as signal quality, accurate and reliable ECG interpretation and full-size printouts.
- **High-Resolution Color LCD** — High-resolution color display provides real-time preview of 3-, 8- or 12-lead ECG and post-acquisition review of acquired ECG.
- **Distinguished VERITAS® Resting ECG Interpretation Algorithm** — Widely recognized resting ECG interpretation algorithm uses gender- and criteria to provide a silent second opinion for resting ECG interpretation.
- **Choice of Wireless or Traditional ECG Acquisition** — The ELI 230 ECG offers a choice of either the innovative WAM™ wireless acquisition module or the AM12™ acquisition module. Both include replaceable lead wires, lead fail indicator and remote control with buttons for ECG acquisition and rhythm printing.
- **Best 10** — The ELI 230 ECG evaluates ECG signal and noise to determine and select the 10 seconds of data with the least amount of noise. Best 10 simplifies ECG acquisition by reducing clinical review time and helping to eliminate the need for repeat ECGs.
- **Diagnostic Quality** — The ELI 230 ECG features full diagnostic ECG quality with a high-fidelity acquisition sampling rate of 40,000 samples per second per channel, a benefit for accurate pacemaker detection.



ELI 230 Electrocardiograph

| Feature | Specification* |
|---|---|
| Instrument Type | 12-lead electrocardiograph |
| Input Channels | Simultaneous acquisition of all 12 leads |
| Standard Leads Acquired | I, II, III, aVR, aVL, aVF, V1, V2, V3, V4, V5, V6 |
| Waveform Display | Backlit, 1/4 VGA 320 x 240 LCD color display 4+4 or 6+6 lead presentation |
| Input Impedance Input Dynamic Range Electrode Offset Tolerance Common Mode Rejection | Meets or exceeds the requirements of ANSI/AAMI EC11 |
| Patient Leakage Current Chassis Leakage Current | Meets or exceeds the requirements of ANSI/AAMI ES1 |
| Digital Sampling Rate | 40,000 samples/second/channel used for pacemaker spike detection; 1,000 samples/second/channel used for recording and analysis |
| Resolution | 1.875 microvolt LSB |
| A/D Conversion | 20 bits |
| Frequency Response | 0.05 to 300 Hz |
| Filters | High-performance baseline filter; AC interference filter 50/60 Hz; low-pass filters 40 Hz, 150 Hz, or 300 Hz |
| Lead Reversal Detection | Notification of possible lead reversal conditions for both limb and chest leads indicated on the display prior to printing |
| Pacemaker Spike Detection | Pacemaker spike markers for both atrial and ventricular rhythms indicated on printouts |
| Optional Functions | Optional VERITAS resting ECG interpretation with age- and algorithm |
| Paper | Thermal roll paper; 210 mm (8.25") wide |
| Thermal Printer | Computer-controlled dot array; 8 dots/mm |
| Thermal Printer Speeds | 5, 10, 25 or 50 mm/s |
| Gain Settings | 5, 10 or 20 mm/mV |
| Report Print Formats | Standard or Cabrera; 12, 6 or 3+1 channel |
| Rhythm Print Formats | 12, 6 or 3 channel with configurable lead groups |
| Device Classification | Class I, Type CF defibrillation-proof applied parts |
| ECG Storage | Internal storage up to 20 ECG records; external storage to USB memory stick |
| Connectivity | Review or print from ELI Link V3.1x |
| Weight | 5.8 lbs (2.63 kg) including battery (without paper) |
| Dimensions | 11.25 x 7.5 x 2.75" (28.58 x 19 x 7 cm) |
| Power Requirements | Universal AC power supply (100-240 VAC at 50/60 Hz) 110 VA; internally rechargeable battery |

Specifications subject to change without notice.

For more information, contact your local Welch Allyn representative or visit www.welchallyn.com.



Clinical excellence. Connected solutions. Continuous innovation.
Welch Allyn Cardiology is proud to be powered by Mortara.

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